CLAIMS

What is claimed is:

1. A wireless communication device comprising: an input terminal configured to communicate data with a processor; a segregation circuit 150 coupled to the input terminal and configured to identify predetermined data and to separate more important data from less important data; a memory 112 configured to store at least one parameter relevant to the wireless communication protocol; and a modem 110 coupled to segregation circuit and the memory and configured to communicate using a wireless protocol over a wireless channel, including a framer 152 configured to fragment the segregated data based at least in part on the at least one parameter stored in the memory.

2. The wireless communication device of claim 1, wherein: the memory 112 is configured to store a fragmentation threshold parameter, which is set to be greater than the segregation circuit allocates for more important data; and the framer 152 is configured to fragment the segregated data based at least in part of the fragmentation threshold parameter.

3. The wireless communication device of claim 1, wherein: the predetermined data is video data and the more important data is the video control data and the less important data is the video payload data.

4. The wireless communication device of claim 2, wherein: the predetermined data is video data and the more important data is the video control data and the less important data is the video payload data.

5. The wireless communication device of claim 5, wherein: the video data is MPEG-2 format video data.

6. The wireless communication device of claim 6, wherein: the video data is MPEG-2 format video data.

7. A method of communicating between wireless modems using a wireless protocol, comprising the steps of: storing at least one parameter relevant to the wireless communication protocol; identifying predetermined data and segregating the predetermined data to separate more important data from less important data, thereby creating segregated data; framing the segregated data based at least in part on the at least one stored parameter; and communicating using the wireless protocol over a wireless channel with at least one other modem.

8. The method of claim 7, wherein: the storing step including the step of storing a fragmentation threshold parameter, which is set to be greater than the segregation circuit

allocates for more important data; and the framing step including the step of fragmenting the segregated data based at least in part of the fragmentation threshold parameter.

9. The method of claim 7, wherein: the identifying step includes the step of identifying video data and segregating the video data to separate the more important video control data and the less important video payload data.

10. The method of claim 8, wherein: the identifying step includes the step of identifying video data and segregating the video data to separate the more important video control data and the less important video payload data.

11. The method of claim 9, wherein: the video data is MPEG-2 format video data.

12. The method of claim 10, wherein: the video data is MPEG-2 format video data.